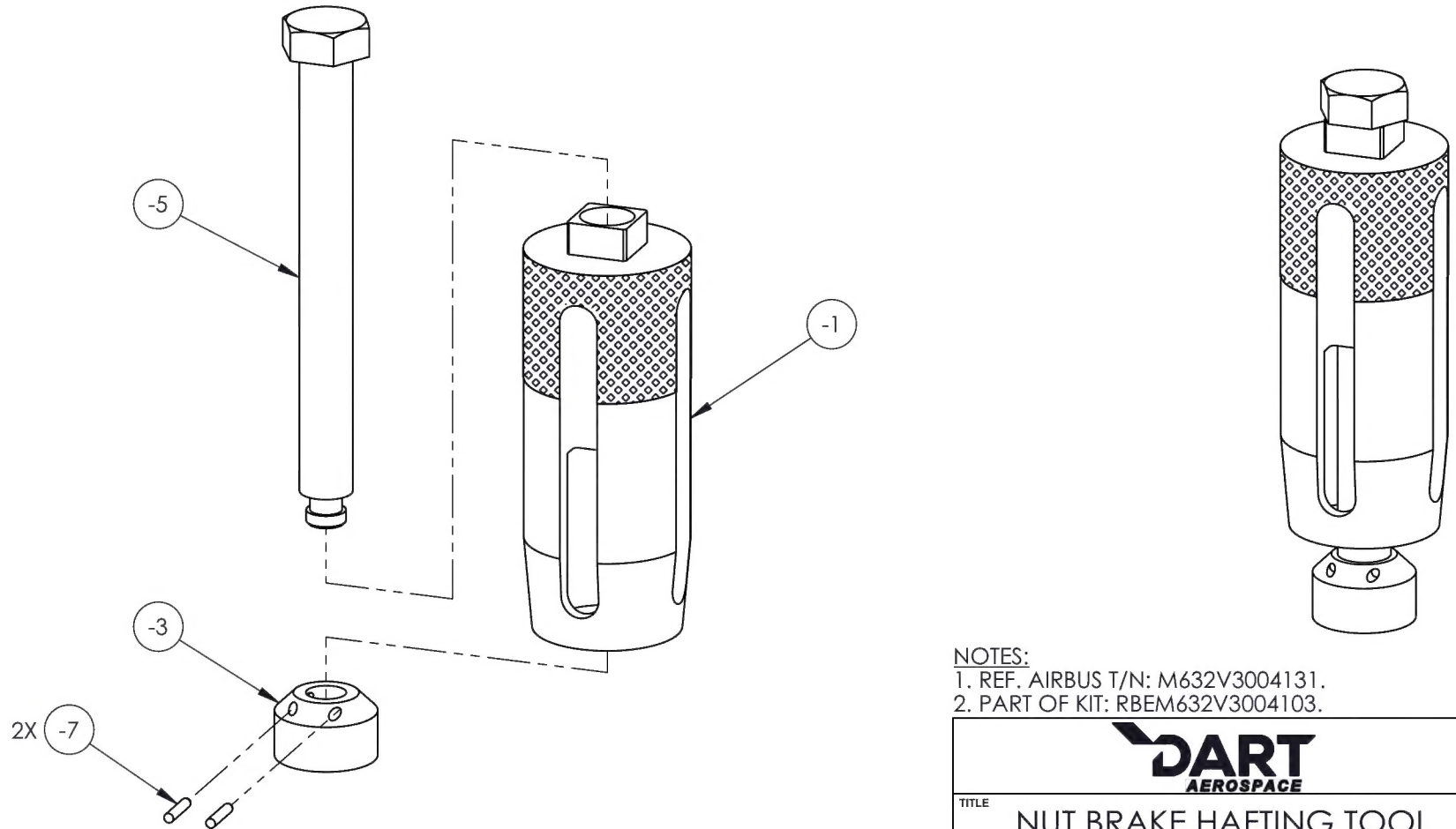


This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		RELEASED FOR PRODUCTION.	6/16/2016	DPD	JAG
2	16-0185	-1 CH'D DIM WAS 4X R.08 IS 4X R.06. WAS 8X R.08 IS 8X R.06, WAS 4X FULL R IS 8X Ø.47, DELETED 4X .47, WAS 4X 3.70 IS 4X 3.46, WAS 8X MIN. UNDERCUT IS 8X MIN. RELIEF, ADDED ENGRAVE T/N, S/N, "MADE IN USA". -1 & -3 CH'D MATERIAL WAS 4140/4142 Q&T IS 4140/4142, ADDED HEAT TREAT RC 28-32, CH'D FINISH WAS DUAL FINISH IS ZINC PLATE.	10/21/2016	RJC	SM



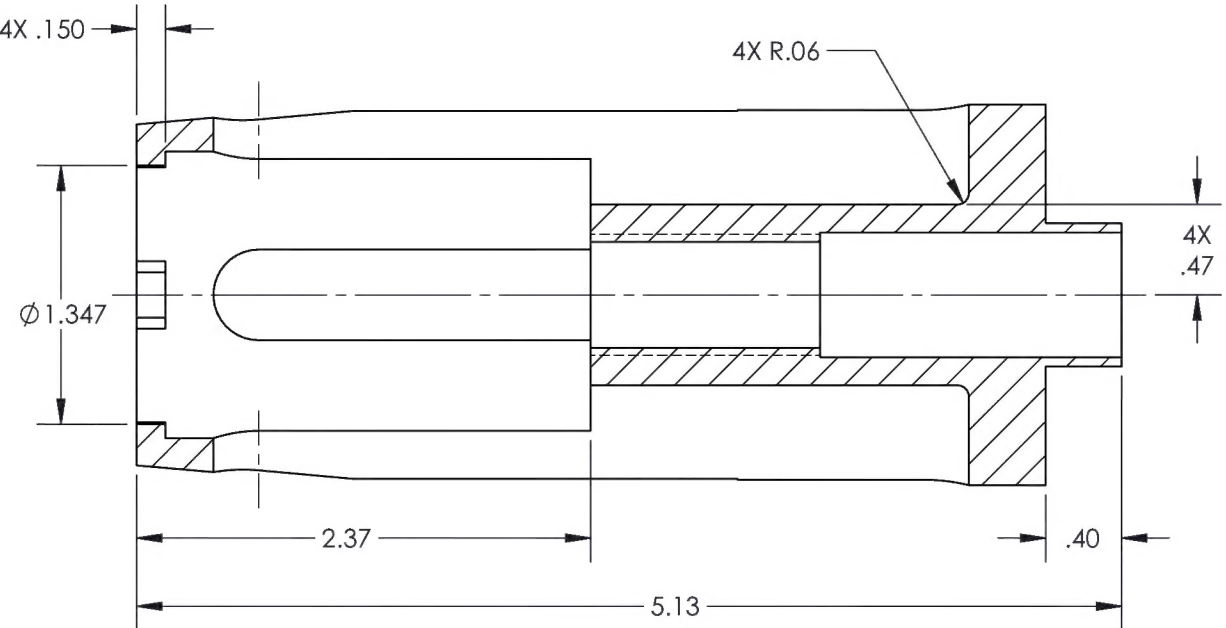
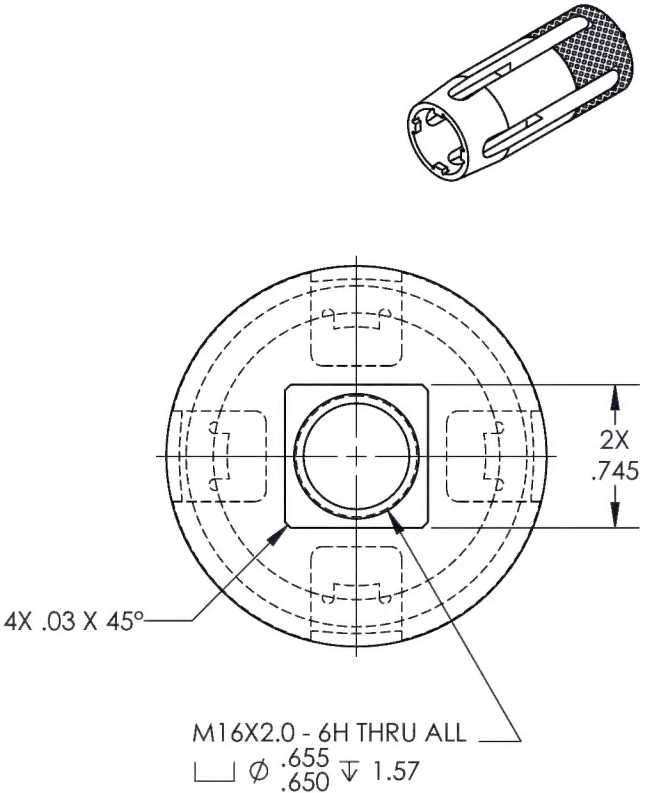
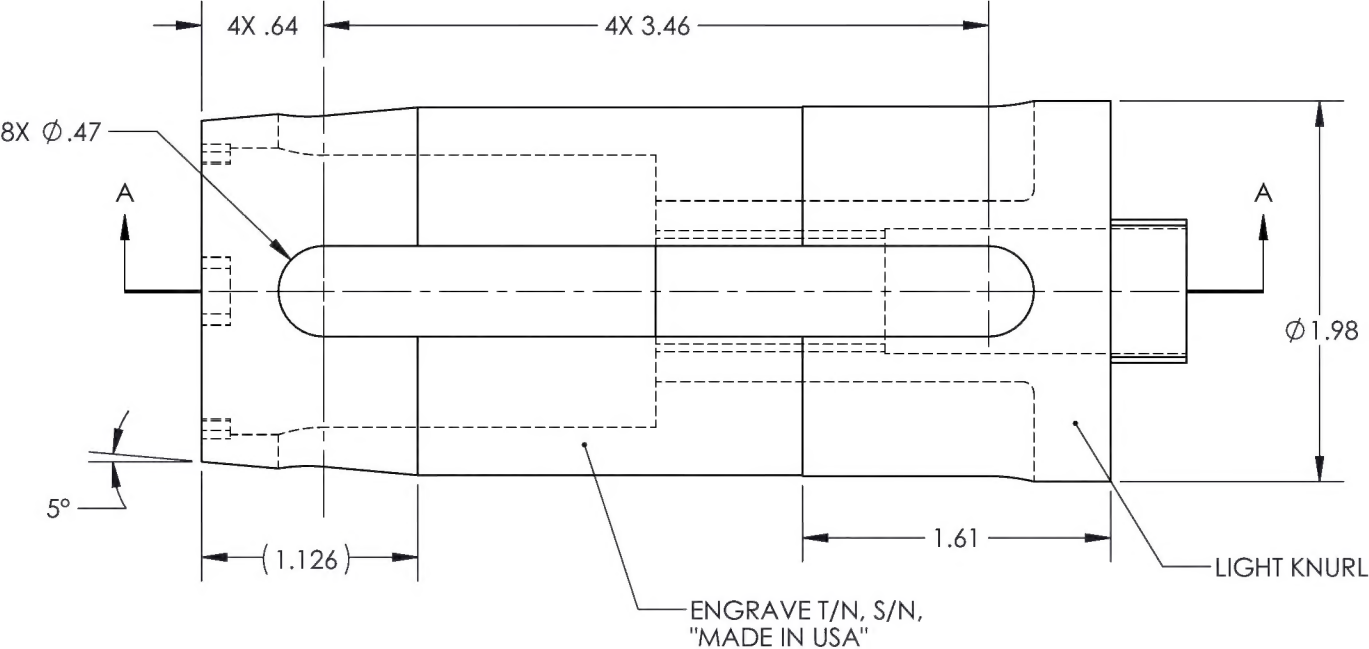
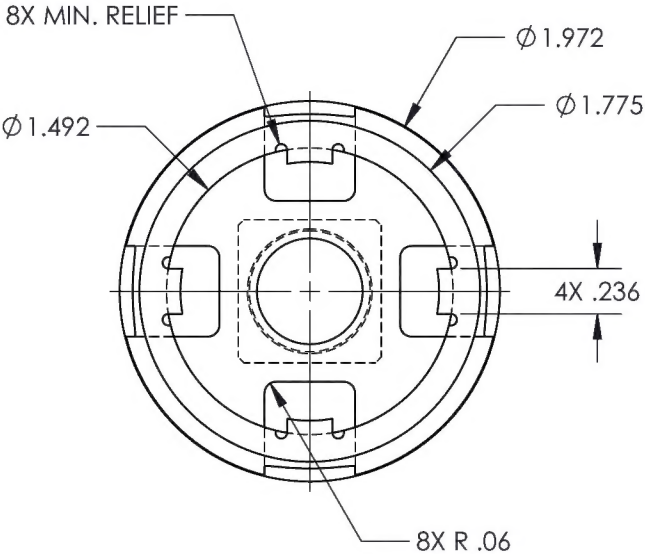
NOTES:
1. REF. AIRBUS T/N: M632V3004131.
2. PART OF KIT: RBEM632V3004103.

DART AEROSPACE	
TITLE NUT BRAKE HAFTING TOOL	
DWG NO. RBEM632V3004131	REV 2
MAT'L HEAT TREAT FINISH	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± .5° .X ± .1 SURFACES = 125° ✓
SPEC	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
DRAWN BY: DUERFELDT	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
CHECKED: CLOUGH	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
OPPS APPR: ANDERSON	USED ON MODEL
QA APPR: LINDSAY	H175
APPROVED: GILBERT	
SCALE 1:2	DATE 5/3/2016
SHEET 1 OF 4	

ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
			-1	1	TUBE	4140/4142		2
			-3	1	FOOT	4140/4142		3
			-5	1	HEX HEAD CAP SCREW	STEEL	M16 X 2mm X 150mm, CLASS 8.8 (GRAINGER #25DE25) MODIFIED	4
		B/O	-7	2	DOWEL PIN	STEEL	M3 X 16mm (MCMMASTER-CARR #91595A116)	1

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	16-0185	-1 CH'D DIM WAS 4X R.08 IS 4X R.06, WAS 8X R.08 IS 8X R.06, WAS 4X FULL R IS 8X Ø .47, DELETED 4X .47, WAS 4X 3.70 IS 4X 3.46, WAS 8X MIN. UNDERCUT IS 8X MIN. RELIEF, ADDED ENGRAVE T/N, S/N, "MADE IN USA", CH'D FINISH WAS DUAL FINISH IS ZINC PLATE, CH'D MATERIAL WAS 4140/4142 Q&T IS 4140/4142, ADDED HEAT TREAT RC 28-32.	10/21/2016	RJC	SM

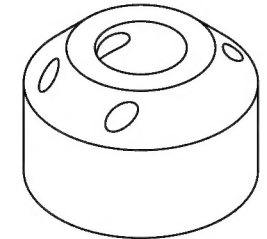
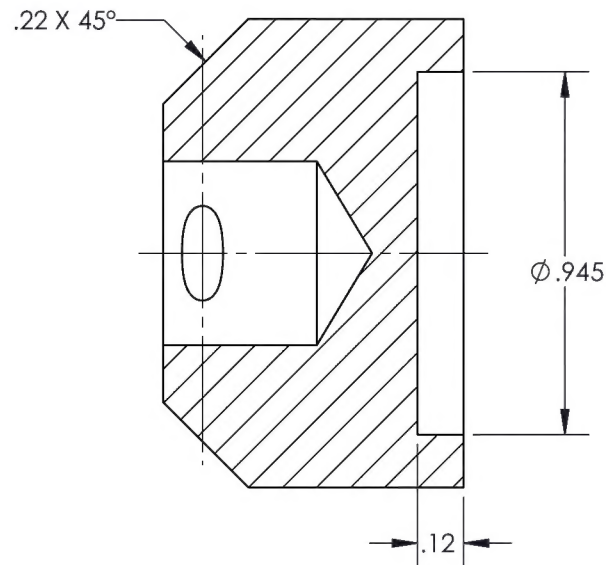
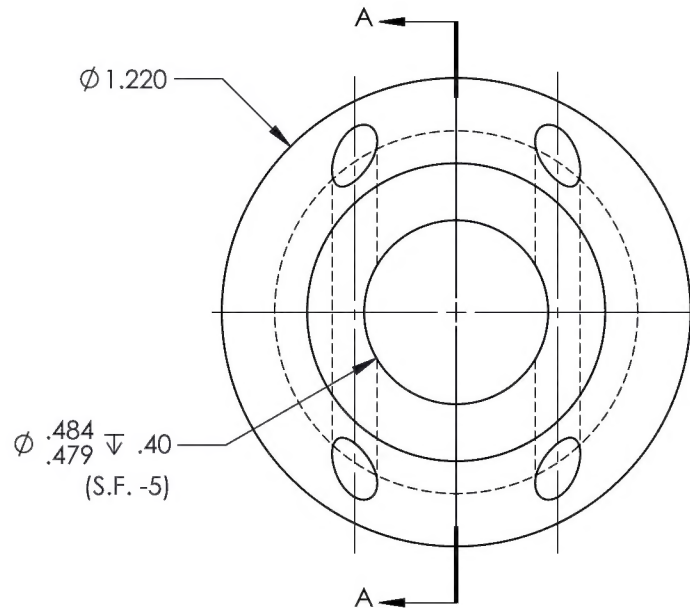


(-1)
TUBE

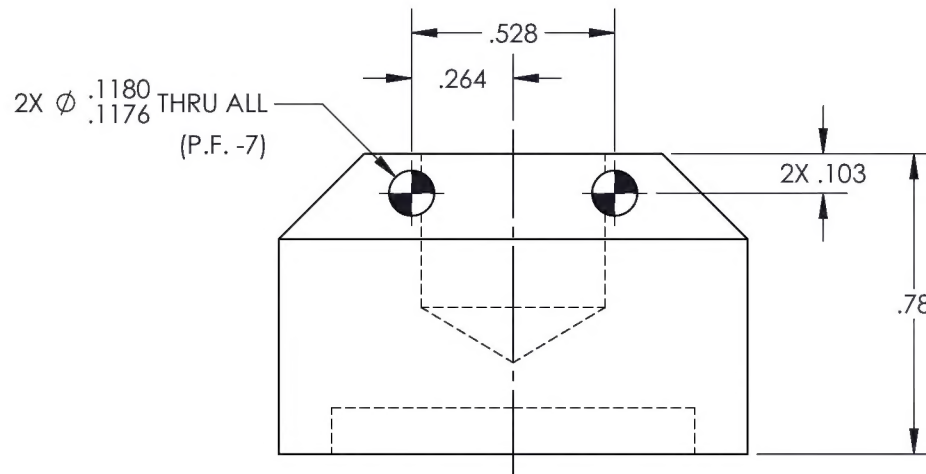
DART AEROSPACE			
TITLE NUT BRAKE HAFTING TOOL			
DWG NO. RBEM632V3004131-1			REV 2
MAT'L 4140/4142		UNLESS OTHERWISE SPECIFIED	
HEAT TREAT RC 28-32		DIMENSIONS ARE IN INCHES	
FINISH ZINC PLATE		.XXX ± .005 FRACTIONS ± 1/8	
SPEC ASTM B633 TYPE I SC 2		.XX ± .01 ANGLES ± 5°	
DRAWN BY: DUERFELDT		.X ± .1 SURFACES = 125	
CHECKED: CLOUGH		1. BREAK ALL SHARP EDGES	
OPPS APPR: ANDERSON		.015 x 45° OR .015R	
QA APPR: LINDSAY		2. DIMENSIONAL LIMITS APPLY	
APPROVED: GILBERT		AFTER PLATING	
SCALE 1:1		3. INTERPRET DIM AND TOL PER	
DATE 5/3/2016		ASME Y14.5M-2009	
		USED ON MODEL	
		H175	
		SHEET 2 OF 4	

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	16-0185	-3 CH'D MATERIAL WAS 4140/4142 Q&T IS 4140/4142, ADDED HEAT TREAT RC 28-32, CH'D FINISH WAS DUAL FINISH IS ZINC PLATE.	10/21/2016	RJC	SM



SECTION A-A

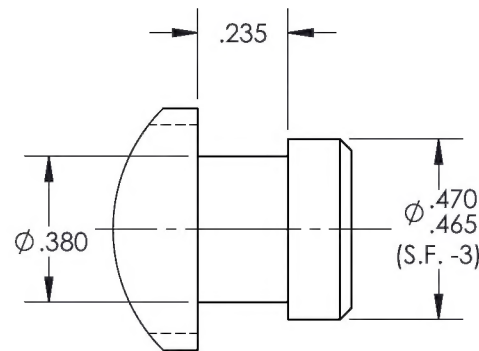
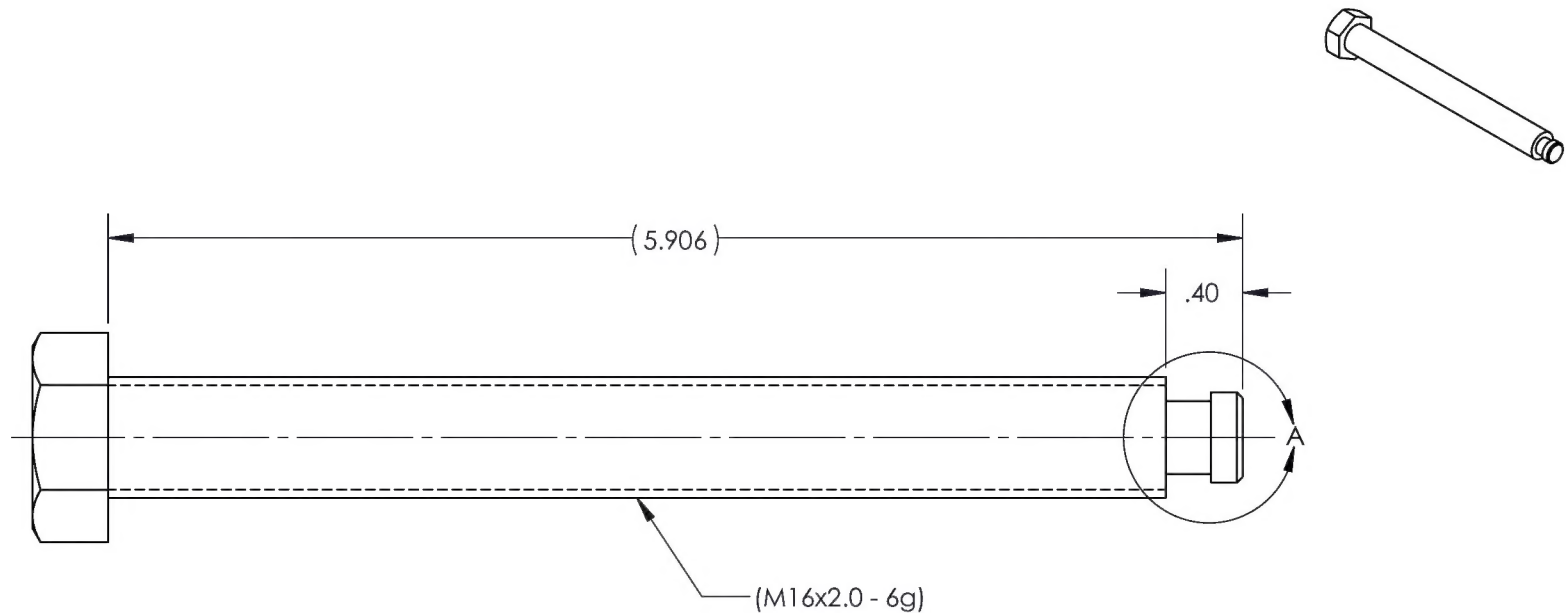


(3)
FOOT

DART AEROSPACE	
TITLE NUT BRAKE HAFTING TOOL	
DWG NO. RBEM632V3004131-3	REV 2
MAT'L 4140/4142	UNLESS OTHERWISE SPECIFIED
HEAT TREAT RC 28-32	DIMENSIONS ARE IN INCHES
FINISH ZINC PLATE	.XXX ± .005 FRACTIONS ± 1/8
SPEC ASTM B633 TYPE I SC 2	.XX ± .01 ANGLES ± .5°
DRAWN BY: DUERFELDT	.X ± .1 SURFACES = 125
CHECKED: CLOUGH	1. BREAK ALL SHARP EDGES
OPPS APPR: ANDERSON	.015 x 45° OR .015R
QA APPR: LINDSAY	2. DIMENSIONAL LIMITS APPLY
APPROVED: GILBERT	AFTER PLATING
SCALE 2:1	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
DATE 5/3/2016	USED ON MODEL
SHEET 3 OF 4	H175

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REVISIONS				
REV	ECR	DESCRIPTION	DATE	INITIAL
				APPROVED



DETAIL A
SCALE 2 : 1

(5)

HEX HEAD CAP SCREW

DART AEROSPACE	
TITLE NUT BRAKE HAFTING TOOL	
DWG NO. RBEM632V3004131-5	REV 2
MAT'L STEEL	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH ZINC PLATE	.XXX ± .005 FRACTIONS ± 1/8
SPEC ASTM B633 TYPE I SC 2	.XX ± .01 ANGLES ± 5°
DRAWN BY: DUERFELDT	.X ± .1 SURFACES = 125°
CHECKED: CLOUGH	1. BREAK ALL SHARP EDGES
OPPS APPR: ANDERSON	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
QA APPR: LINDSAY	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
APPROVED: GILBERT	USED ON MODEL
SCALE 1:1	H175
DATE 5/3/2016	SHEET 4 OF 4